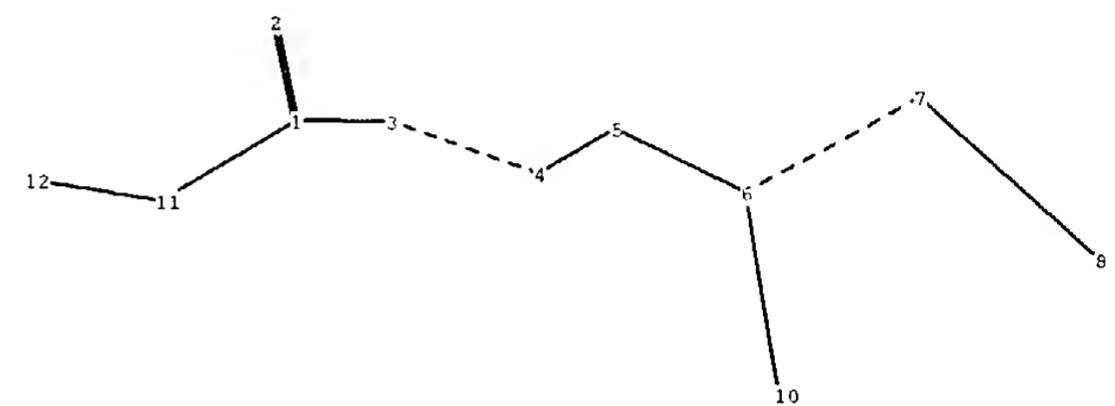
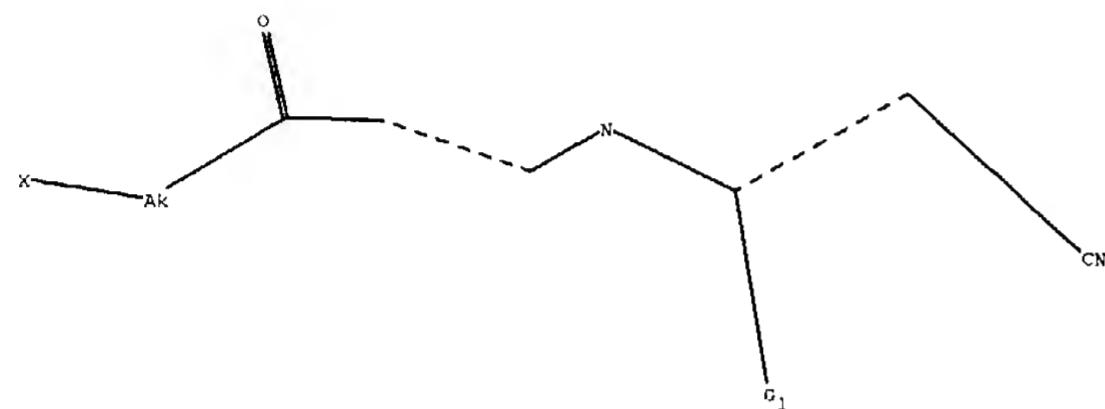


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chain nodes :

1 2 3 4 5 6 7 8 10 11 12

chain bonds :

1-2 1-3 1-11 3-4 4-5 5-6 6-7 6-10 7-8 11-12

exact/norm bonds :

1-2 1-11 3-4 4-5 5-6 6-7 6-10 11-12

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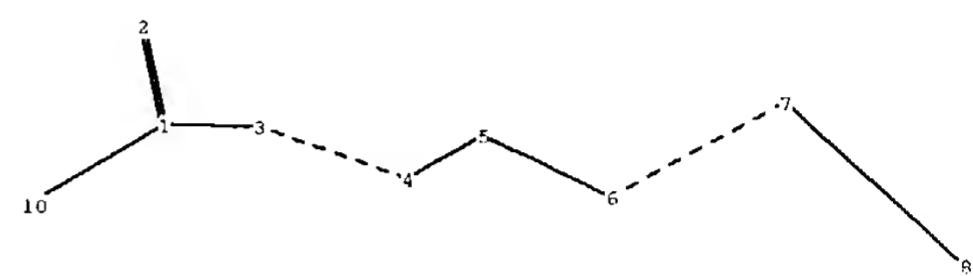
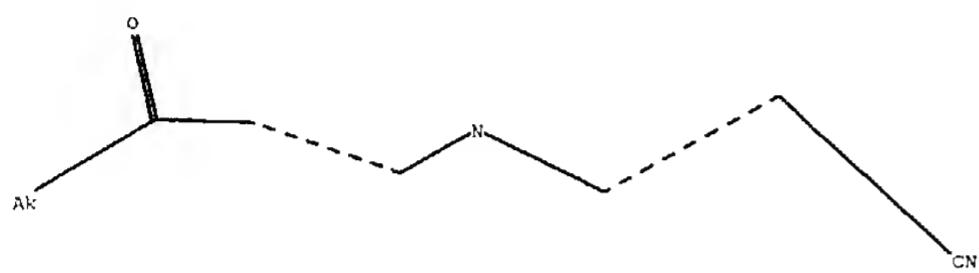
1-3 7-8

G1:H,O,S,X

Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 10:CLASS
11:CLASS 12:CLASS

C:\stnweb\Queries\56.str



chain nodes :

1 2 3 4 5 6 7 8 10

chain bonds :

1-2 1-3 1-10 3-4 4-5 5-6 6-7 7-8

exact/norm bonds :

1-2 1-10 3-4 4-5 5-6 6-7

exact bonds :

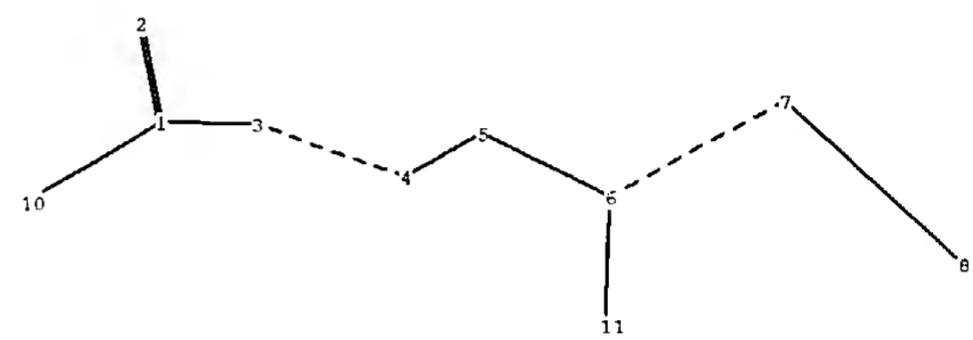
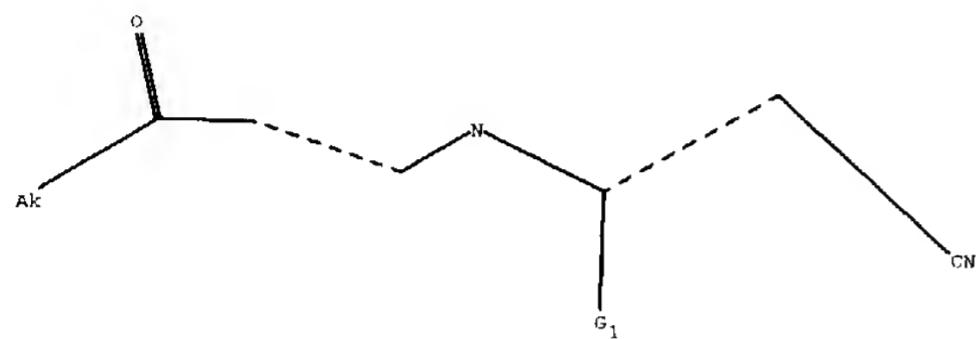
1-3 7-8

G1:H,O,S,X

Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 10:CLASS

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chain nodes :

1 2 3 4 5 6 7 8 10 11

chain bonds :

1-2 1-3 1-10 3-4 4-5 5-6 6-7 6-11 7-8

exact/norm bonds :

1-2 1-10 3-4 4-5 5-6 6-7 6-11

exact bonds :

1-3 7-8

G1:H,O,S,X

Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 10:CLASS
11:CLASS

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| <u>NEWS</u> | <u>1</u> | Web Page URLs for STN Seminar Schedule - N. America |
| <u>NEWS</u> | <u>2</u> | "Ask CAS" for self-help around the clock |
| <u>NEWS</u> | <u>3</u> | May 10 PROUSDDR now available on STN |
| <u>NEWS</u> | <u>4</u> | May 19 PROUSDDR: One FREE connect hour, per account, in both May and June 2004 |
| <u>NEWS</u> | <u>5</u> | May 12 EXTEND option available in structure searching |
| <u>NEWS</u> | <u>6</u> | May 12 Polymer links for the POLYLINK command completed in REGISTRY |
| <u>NEWS</u> | <u>7</u> | May 17 FRFULL now available on STN |
| <u>NEWS</u> | <u>8</u> | May 27 New UPM (Update Code Maximum) field for more efficient patent SDIs in CAplus |
| <u>NEWS</u> | <u>9</u> | May 27 CAplus super roles and document types searchable in REGISTRY |
| <u>NEWS</u> | <u>10</u> | May 27 Explore APOLLIT with free connect time in June 2004 |
| <u>NEWS EXPRESS</u> | | MARCH 31 CURRENT WINDOWS VERSION IS V7.00A, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 26 APRIL 2004 |
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STRUCTURE FILE UPDATES: 20 JUN 2004 HIGHEST RN 696584-79-9
DICTIONARY FILE UPDATES: 20 JUN 2004 HIGHEST RN 696584-79-9

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2001

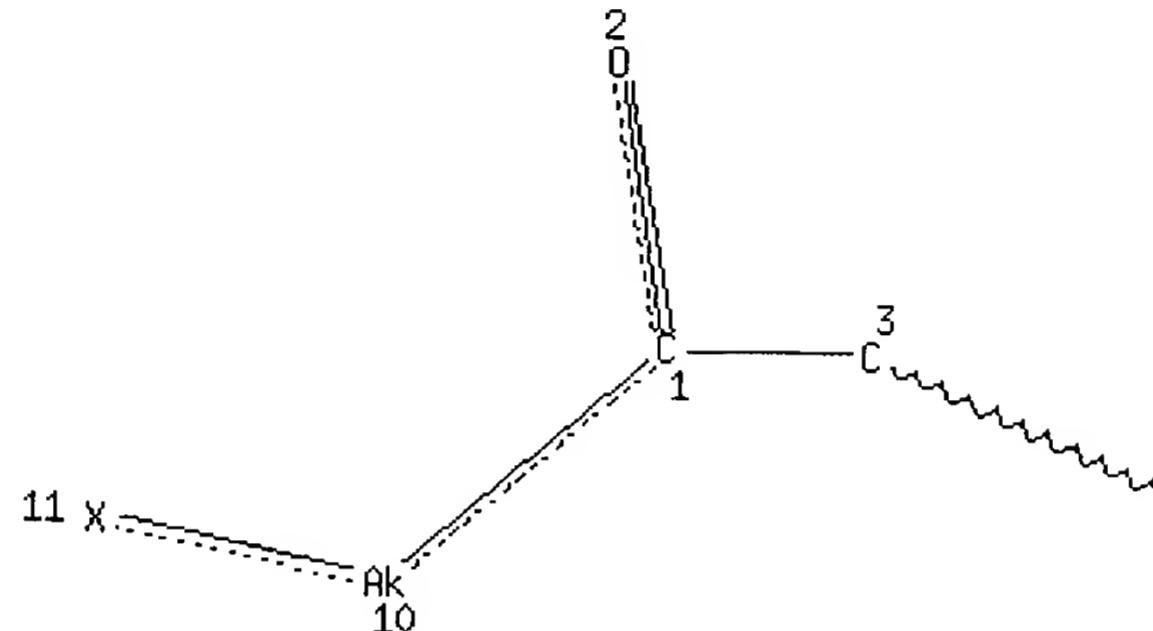
Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

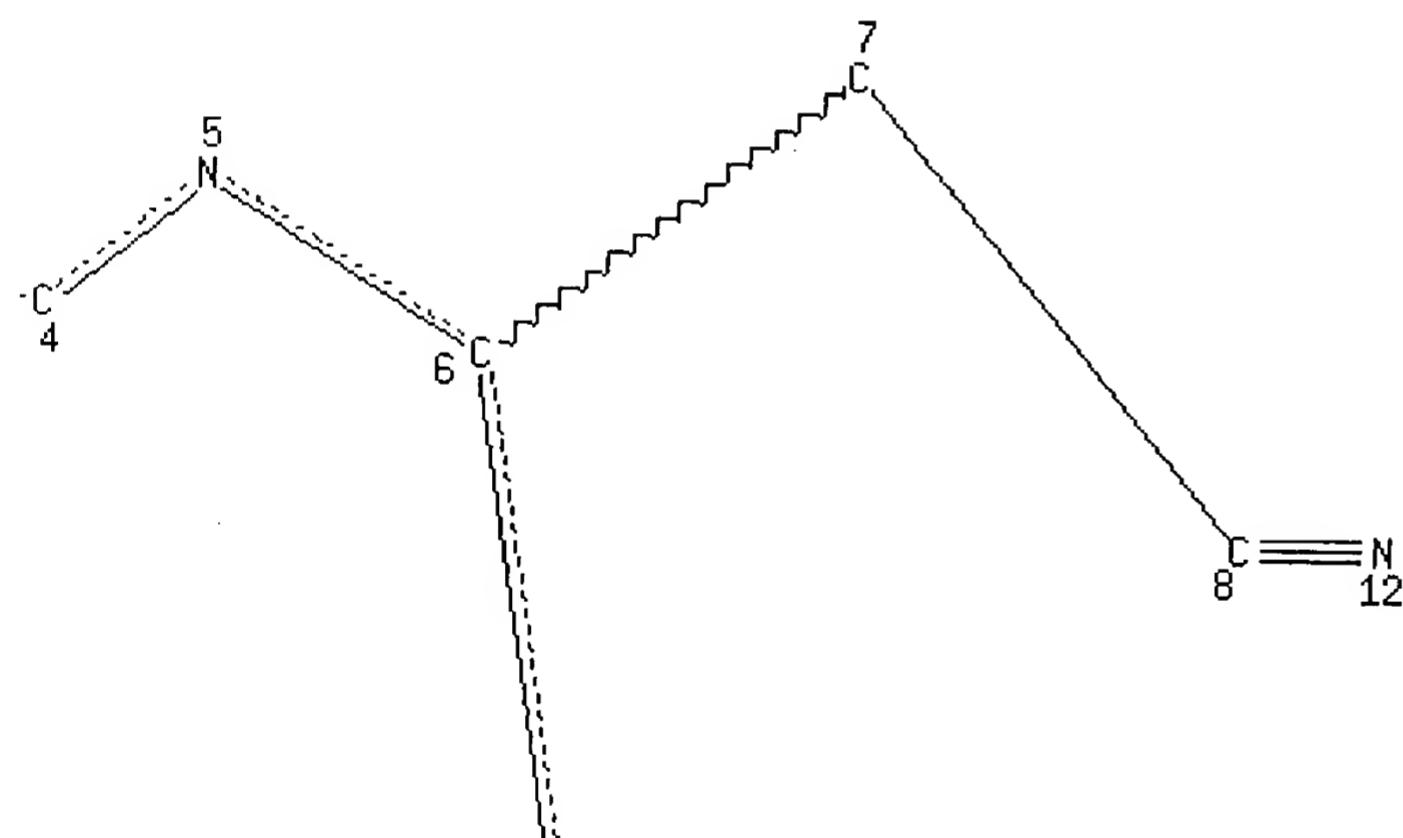
Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>
L1 STRUCTURE UPLOADED

=> d 11
L1 HAS NO ANSWERS
L1 STR
H 13 0 14 S 15 X 16



Page 1-A



Page 1-B

G1
9

Page 2-B

VAR G1=13/14/15/16

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GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED
 NUMBER OF NODES IS 16

STEREO ATTRIBUTES: NONE

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 SAMPLE SCREEN SEARCH COMPLETED - 993 TO ITERATE

100.0% PROCESSED 993 ITERATIONS 0 ANSWERS
 SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
 BATCH **COMPLETE**
 PROJECTED ITERATIONS: 17970 TO 21750
 PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s 11 full
 THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 155.00 U.S. DOLLARS
 DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y
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 FULL SCREEN SEARCH COMPLETED - 21263 TO ITERATE

100.0% PROCESSED 21263 ITERATIONS 5 ANSWERS
 SEARCH TIME: 00.00.01

L3 5 SEA SSS FUL L1

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|----------------------|------------|---------|
| => file hcaplus | SINCE FILE | TOTAL |
| COST IN U.S. DOLLARS | ENTRY | SESSION |
| FULL ESTIMATED COST | 157.10 | 157.31 |

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FILE COVERS 1907 - 21 Jun 2004 VOL 140 ISS 26
 FILE LAST UPDATED: 20 Jun 2004 (20040620/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

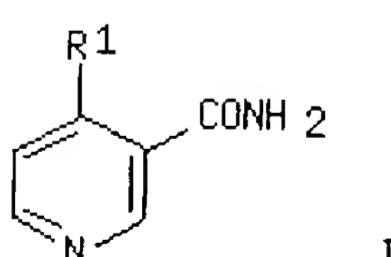
=> s 13
 L4 3 L3

=> d 14, ibib abs fhitstr, 1-3

L4 ANSWER 1 OF 3 HCAPLUS COPYRIGHT 2004 ACS on STN

| Full Text | Citing References |
|----------------------------|--|
| ACCESSION NUMBER: | 2003:951001 HCAPLUS |
| DOCUMENT NUMBER: | 139:395830 |
| TITLE: | Method for producing 4-haloalkylnicotinamides by cyclization and simultaneous hydrolysis of 3-(3-oxo-1-butenylamino)acrylnitriles in the presence of a strong acid |
| INVENTOR(S): | Pazenok, Sergiy |
| PATENT ASSIGNEE(S): | Bayer CropScience GmbH, Germany |
| SOURCE: | PCT Int. Appl., 13 pp. |
| DOCUMENT TYPE: | Patent |
| LANGUAGE: | German |
| FAMILY ACC. NUM. COUNT: | 1 |
| <u>PATENT INFORMATION:</u> | |

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|--|-----------------------------|------------------|----------|
| WO 2003099791 | A1 | 20031204 | WO 2003-EP4869 | 20030509 |
| W: AE, AG, AL, AM, AU, AZ, BA, BB, BR, BY, BZ, CA, CN, CO, CR, CU, DM, DZ, EC, GD, GE, HR, ID, IL, IN, IS, JP, KG, KP, KR, KZ, LC, LK, LR, LT, LV, MA, MD, MG, MK, MN, MX, NI, NO, NZ, OM, PH, PL, RU, SC, SG, TJ, TM, TN, TT, UA, US, UZ, VC, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| DE 10223274 | A1 | 20031204 | DE 2002-10223274 | 20020524 |
| <u>PRIORITY APPLN. INFO.:</u> | | DE 2002-10223274 A 20020524 | | |
| OTHER SOURCE(S): | CASREACT 139:395830; MARPAT 139:395830 | | | |
| GI | | | | |



AB 4-Haloalkylnicotinamides (I; R1 = Cl-4 haloalkyl), were prep'd. by cyclization and simultaneous hydrolysis of R1COCH:CHNHCH:CHCN, R1COCH:CHNHCH(ZR2)CH2CN, and/or R1COCH:CHNHCH(halo)CH2CN (R1 as above; R2 = Cl-6 alkyl; Z = O, S, NR1) in the presence of a strong acid. Thus,

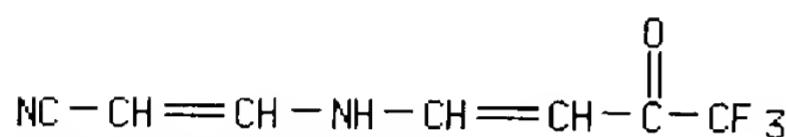
H₂SO₄ (d 1,8) was treated with N-(2-cyanovinyl)-4,4,4-trifluoro-3-keto-1-butenylamine for 1 h at 10° followed by stirring for 3-5 h at room temp. to give 90% 4-trifluoromethylnicotinamide. The compds. of formula I are used as intermediate products in the prodn. of pesticides.

IT 437987-93-4

RL: RCT (Reactant); RACT (Reactant or reagent)
(method for producing haloalkylnicotinamides by cyclization and simultaneous hydrolysis of (oxobutenylamino)acrylnitriles in presence of strong acid)

RN 437987-93-4 HCAPLUS

CN 2-Propenenitrile, 3-[(4,4,4-trifluoro-3-oxo-1-butenyl)amino]- (9CI) (CA INDEX NAME)



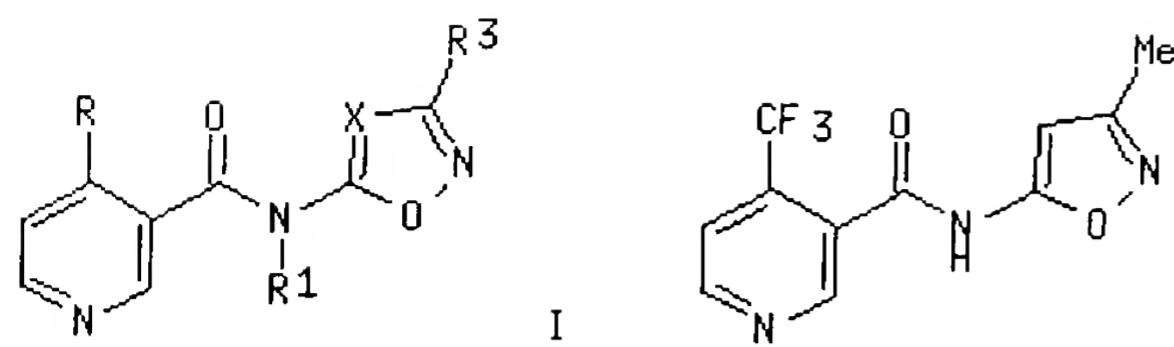
REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 3 HCAPLUS COPYRIGHT 2004 ACS on STN

| | |
|-----------|-------------------|
| Full Text | Citing References |
|-----------|-------------------|

ACCESSION NUMBER: 2003:417744 HCAPLUS
 DOCUMENT NUMBER: 139:6876
 TITLE: Preparation of N-(isoxazol-5-yl)-4-(trifluoromethyl)nicotinamide derivatives as pesticides
 INVENTOR(S): Mio, Shigeru; Okui, Hideshi
 PATENT ASSIGNEE(S): Sankyo Company, Limited, Japan
 SOURCE: PCT Int. Appl., 99 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|-----------------|-----------------|------------|
| WO 2003044013 | A1 | 20030530 | WO 2002-JP12078 | 20021119 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| JP 3456702 | B1 | 20031014 | JP 2002-334440 | 20021119 |
| JP 2003335778 | A2 | 20031128 | JP 2001-355561 | A 20011121 |
| | | | JP 2002-65193 | A 20020311 |
| <u>PRIORITY APPLN. INFO.:</u> | | | | |
| OTHER SOURCE(S): GI | | MARPAT 139:6876 | | |



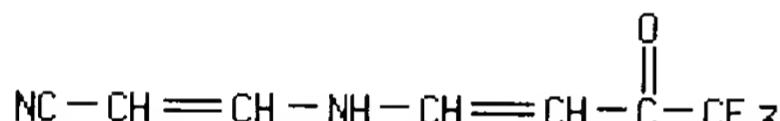
AB The title N-heteroaryl-4-(trifluoromethyl)nicotinamide derivs. with general formula of I [wherein R = (un)substituted alkyl; R1 = H, (un)substituted alkyl, alkenyl, or acyl; X = CR₂ or N; R₂ and R₃ = independently H, halo, cycloalkyl, alkenyl, cycloalkenyl, formyl, CH:NOR₄, CN, alkylthio, (un)substituted alkyl, Ph, heterocyclyl, alkoxy, or PhO; R₄ = H or alkyl] are prep'd. as pesticides. For example, 5-amino-3-methylisoxazole was reacted with 4-(trifluoromethyl)nicotinic acid chloride (prepn. given) in DMF in the presence of NaH to afford II (44%). I at the concn. of 0.01% killed >95% green peach aphid in 5 days.

IT 437987-93-4P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(intermediate; prepn. of (isoxazolyl)trifluoromethylnicotinamide derivs. as pesticides)

RN 437987-93-4 HCAPLUS

CN 2-Propenenitrile, 3-[(4,4,4-trifluoro-3-oxo-1-butenyl)amino]- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 32 THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 3 HCAPLUS COPYRIGHT 2004 ACS on STN

Full Text Citing References

ACCESSION NUMBER: 2002:465977 HCAPLUS
 DOCUMENT NUMBER: 137:47122
 TITLE: Preparation of 4-fluoroalkylnicotinonitriles as pesticide intermediates
 INVENTOR(S): Pazenok, Sergiy; Bastiaans, Henricus Maria Martinus
 PATENT ASSIGNEE(S): Aventis CropScience GmbH, Germany; Bayer CropScience GmbH
 SOURCE: PCT Int. Appl., 25 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---------------|--|----------|-----------------|----------|
| WO 2002048111 | A2 | 20020620 | WO 2001-EP14584 | 20011212 |
| WO 2002048111 | A3 | 20030327 | | |
| W: | AE, AG, AL, AM, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CN, CO, CR, CU, CZ, DM, DZ, EC, EE, GD, GE, HR, HU, ID, IL, IN, IS, JP, KG, KP, KR, KZ, LC, LK, LR, LT, LV, MA, MD, MG, MK, MN, MX, NO, NZ, OM, PH, PL, RO, RU, SG, SI, SK, TJ, TM, TT, UA, US, UZ, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | |
| RW: | GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, | | | |

CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR,
 BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

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|--|----|----------|-------------------------|----------|
| <u>DE 10061967</u> | A1 | 20020620 | <u>DE 2000-10061967</u> | 20001213 |
| <u>DE 10120819</u> | A1 | 20021031 | <u>DE 2001-10120819</u> | 20010427 |
| <u>DE 10144411</u> | A1 | 20030327 | <u>DE 2001-10144411</u> | 20010911 |
| <u>AU 2002035770</u> | A5 | 20020624 | <u>AU 2002-35770</u> | 20011212 |
| <u>EP 1345906</u> | A2 | 20030924 | <u>EP 2001-985871</u> | 20011212 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR | | | | |
| <u>US 2002087004</u> | A1 | 20020704 | <u>US 2001-13470</u> | 20011213 |
| <u>US 6541640</u> | B2 | 20030401 | | |
| <u>US 2003109711</u> | A1 | 20030612 | <u>US 2002-330166</u> | 20021230 |
| <u>PRIORITY APPLN. INFO.:</u> | | | | |
| <u>DE 2000-10061967 A</u> 20001213 | | | | |
| <u>DE 2001-10120819 A</u> 20010427 | | | | |
| <u>DE 2001-10144411 A</u> 20010911 | | | | |
| <u>WO 2001-EP14584 W</u> 20011212 | | | | |
| <u>US 2001-13470 A3</u> 20011213 | | | | |

OTHER SOURCE(S) : CASREACT 137:47122; MARPAT 137:47122

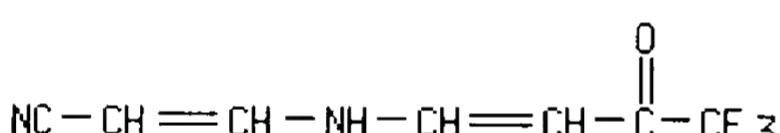
AB Title compds. were prep'd. Thus, (MeO)2CHCH2CN was aminated by CF3COCH:CHNH2 and the eliminated product, CF3COCH:CHNHCH:CHCN, treated with Li2CO3 to give 4-trifluoromethylnicotinonitrile.

IT 437987-93-4P

RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (prepn. of 4-fluoroalkylnicotinonitriles as pesticide intermediates)

RN 437987-93-4 HCPLUS

CN 2-Propenenitrile, 3-[(4,4,4-trifluoro-3-oxo-1-butenyl)amino]- (9CI) (CA INDEX NAME)



=> file caold
 COST IN U.S. DOLLARS

FULL ESTIMATED COST

| SINCE FILE
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|---------------------|------------------|
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DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

CA SUBSCRIBER PRICE

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 FILE LAST UPDATED: 01 May 1997 (19970501/UP)

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all substance data from the REGISTRY file. Enter HELP FIRST for more information.

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L3 5 S L1 FULL

FILE 'HCAPLUS' ENTERED AT 14:25:50 ON 21 JUN 2004

L4 3 S L3

FILE 'CAOLD' ENTERED AT 14:26:32 ON 21 JUN 2004

=> s 13
L5 0 L3

=> file reg
COST IN U.S. DOLLARS

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DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)
CA SUBSCRIBER PRICE

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DICTIONARY FILE UPDATES: 20 JUN 2004 HIGHEST RN 696584-79-9

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

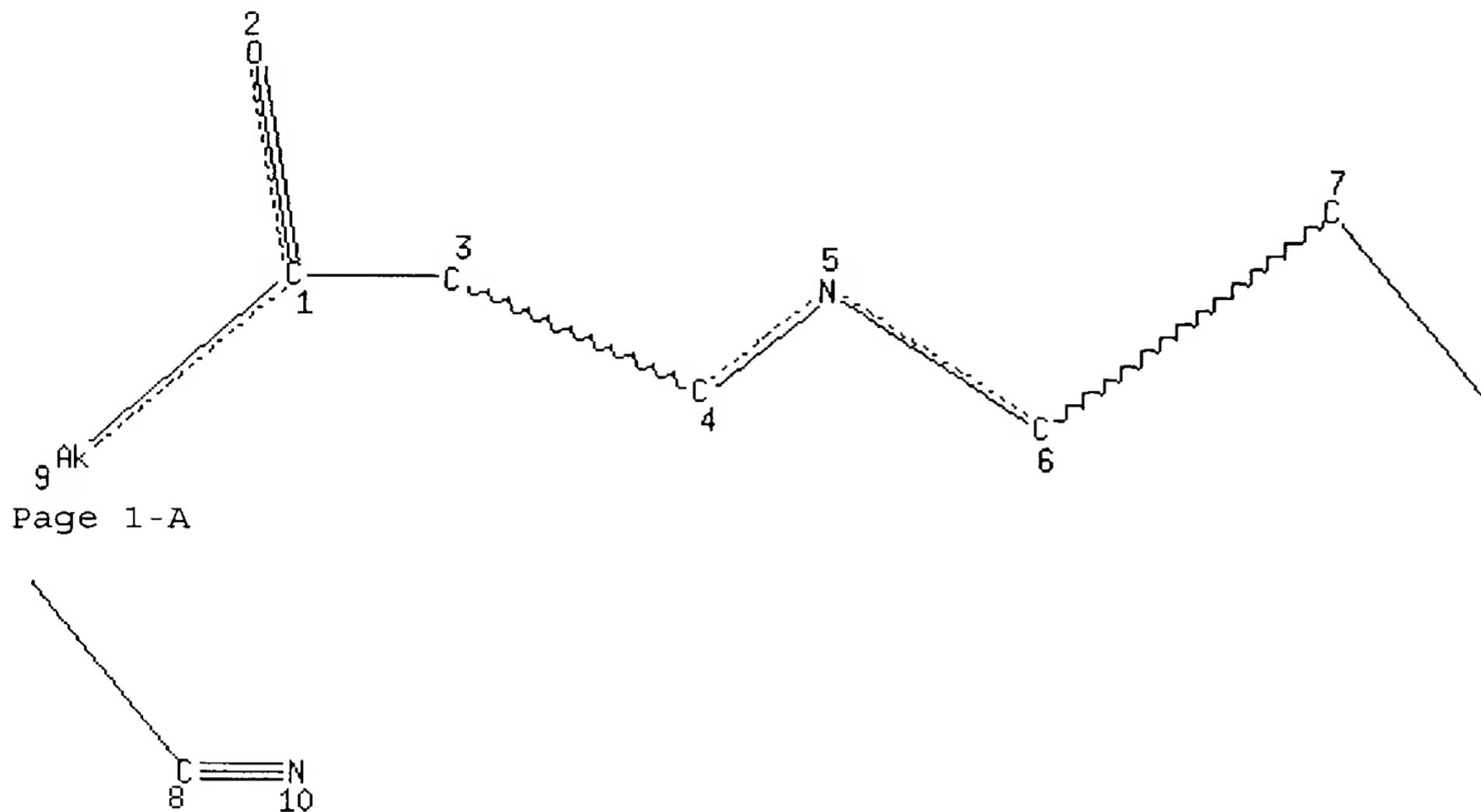
Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

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L6 HAS NO ANSWERS
L6 STR



NODE ATTRIBUTES:

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NSPEC IS C AT 4
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DEFAULT MLEVEL IS ATOM

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DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 10

STEREO ATTRIBUTES: NONE

=> s 16

SAMPLE SEARCH INITIATED 14:28:43 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 993 TO ITERATE

100.0% PROCESSED 993 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 17970 TO 21750

PROJECTED ANSWERS: 0 TO 0

L7 0 SEA SSS SAM L6

=> s 16 full

THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 155.00 U.S. DOLLARS

DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y
 FULL SEARCH INITIATED 14:28:48 FILE 'REGISTRY'
 FULL SCREEN SEARCH COMPLETED ~ 21263 TO ITERATE

100.0% PROCESSED 21263 ITERATIONS 51 ANSWERS
 SEARCH TIME: 00.00.01

L8 51 SEA SSS FUL L6

=> d his

(FILE 'HOME' ENTERED AT 14:23:00 ON 21 JUN 2004)

FILE 'REGISTRY' ENTERED AT 14:23:06 ON 21 JUN 2004

L1 STRUCTURE uploaded
 L2 0 S L1
 L3 5 S L1 FULL

FILE 'HCAPLUS' ENTERED AT 14:25:50 ON 21 JUN 2004

L4 3 S L3

FILE 'CAOLD' ENTERED AT 14:26:32 ON 21 JUN 2004

L5 0 S L3

FILE 'REGISTRY' ENTERED AT 14:26:38 ON 21 JUN 2004

L6 STRUCTURE uploaded
 L7 0 S L6
 L8 51 S L6 FULL

=> s 18 not 13

L9 46 L8 NOT L3

=> file hcaplus

| | | |
|----------------------|------------------|---------------|
| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
| FULL ESTIMATED COST | 156.68 | 331.04 |

| | | |
|--|------------------|---------------|
| DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILE ENTRY | TOTAL SESSION |
| CA SUBSCRIBER PRICE | 0.00 | -2.08 |

FILE 'HCAPLUS' ENTERED AT 14:29:02 ON 21 JUN 2004
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FILE COVERS 1907 - 21 Jun 2004 VOL 140 ISS 26
 FILE LAST UPDATED: 20 Jun 2004 (20040620/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

```
=> s 19
L10      40 L9
```

| | | | |
|--|--|------------|---------|
| => file reg | | SINCE FILE | TOTAL |
| COST IN U.S. DOLLARS | | ENTRY | SESSION |
| FULL ESTIMATED COST | | 2.36 | 333.40 |
| DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | | SINCE FILE | TOTAL |
| CA SUBSCRIBER PRICE | | ENTRY | SESSION |
| | | 0.00 | -2.08 |

FILE 'REGISTRY' ENTERED AT 14:29:10 ON 21 JUN 2004
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 20 JUN 2004 HIGHEST RN 696584-79-9
 DICTIONARY FILE UPDATES: 20 JUN 2004 HIGHEST RN 696584-79-9

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

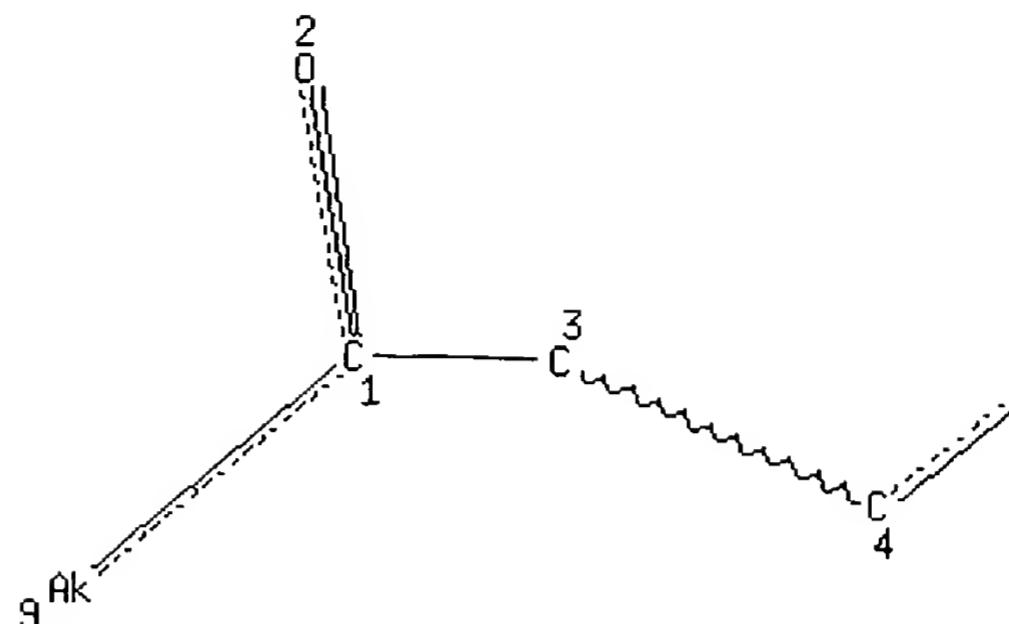
Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

```
=>
L11      STRUCTURE uploaded
```

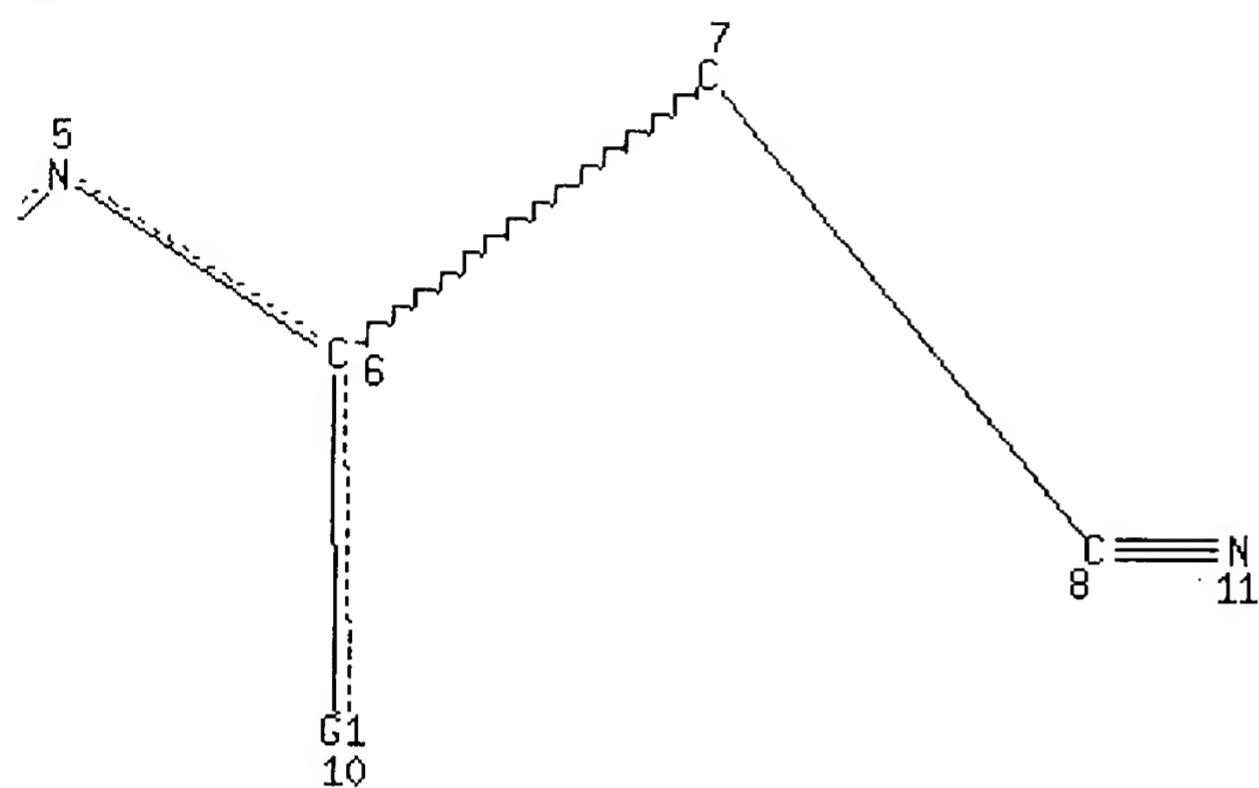
```
=> l11
L11 IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).
```

```
=> d l11
L11 HAS NO ANSWERS
L11      STR
```

H 12 O 13 S 14 X 15



Page 1-A



Page 1-B

VAR G1=12/13/14/15

NODE ATTRIBUTES:

```

NSPEC IS C AT 1
NSPEC IS C AT 2
NSPEC IS C AT 3
NSPEC IS C AT 4
NSPEC IS C AT 5
NSPEC IS C AT 6
NSPEC IS C AT 7
NSPEC IS C AT 8
NSPEC IS C AT 9
NSPEC IS C AT 10
NSPEC IS C AT 11

```

DEFAULT MLEVEL IS ATOM

MLEVEL IS CLASS AT 1 2 3 4 5 6 7 8 9 11 12 13 14 15

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 15

STEREO ATTRIBUTES: NONE

```

=> s 111
SAMPLE SEARCH INITIATED 14:29:55 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 993 TO ITERATE

```

100.0% PROCESSED 993 ITERATIONS
 SEARCH TIME: 00.00.01

0 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
 BATCH **COMPLETE**
 PROJECTED ITERATIONS: 17970 TO 21750
 PROJECTED ANSWERS: 0 TO 0

L12 0 SEA SSS SAM L11

=> s l11 full
 THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 155.00 U.S. DOLLARS
 DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y
 FULL SEARCH INITIATED 14:29:59 FILE 'REGISTRY'
 FULL SCREEN SEARCH COMPLETED - 21263 TO ITERATE

100.0% PROCESSED 21263 ITERATIONS
 SEARCH TIME: 00.00.01

34 ANSWERS

L13 34 SEA SSS FUL L11

=> d his

(FILE 'HOME' ENTERED AT 14:23:00 ON 21 JUN 2004)

FILE 'REGISTRY' ENTERED AT 14:23:06 ON 21 JUN 2004

L1 STRUCTURE uploaded
 L2 0 S L1
 L3 5 S L1 FULL

FILE 'HCAPLUS' ENTERED AT 14:25:50 ON 21 JUN 2004

L4 3 S L3

FILE 'CAOLD' ENTERED AT 14:26:32 ON 21 JUN 2004

L5 0 S L3

FILE 'REGISTRY' ENTERED AT 14:26:38 ON 21 JUN 2004

L6 STRUCTURE uploaded
 L7 0 S L6
 L8 51 S L6 FULL
 L9 46 S L8 NOT L3

FILE 'HCAPLUS' ENTERED AT 14:29:02 ON 21 JUN 2004

L10 40 S L9

FILE 'REGISTRY' ENTERED AT 14:29:10 ON 21 JUN 2004

L11 STRUCTURE uploaded
 L12 0 S L11
 L13 34 S L11 FULL

=> s l13 not l3

L14 29 L13 NOT L3

=> file hcaplus

COST IN U.S. DOLLARS

| SINCE FILE ENTRY | TOTAL SESSION |
|------------------|---------------|
| 155.84 | 489.24 |

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

| SINCE FILE ENTRY | TOTAL SESSION |
|------------------|---------------|
|------------------|---------------|

CA SUBSCRIBER PRICE

0.00

-2.08

FILE 'HCAPLUS' ENTERED AT 14:30:14 ON 21 JUN 2004
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FILE COVERS 1907 - 21 Jun 2004 VOL 140 ISS 26
 FILE LAST UPDATED: 20 Jun 2004 (20040620/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

```
=> s l14
L15      28 L14

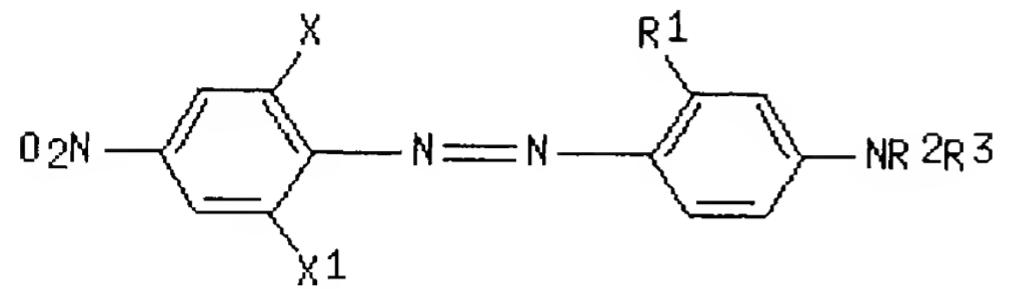
=> s l15 and pd > january 2001
      2722831 PD > JANUARY 2001
      (PD>20010199)
L16      1 L15 AND PD > JANUARY 2001

=> d l16, ibib abs fhitstr, 1

L16 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2004 ACS on STN
Full    Citing
Text    References

ACCESSION NUMBER: 2002:216129 HCAPLUS
DOCUMENT NUMBER: 136:249012
TITLE: Azo disperse dye mixtures, their production and their use
INVENTOR(S): Brierley, David; Weddell, Ian; Newton, David
PATENT ASSIGNEE(S): Dystar Textilfarben GmbH & Co. Deutschland Kg, Germany
SOURCE: Eur. Pat. Appl., 22 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:
```

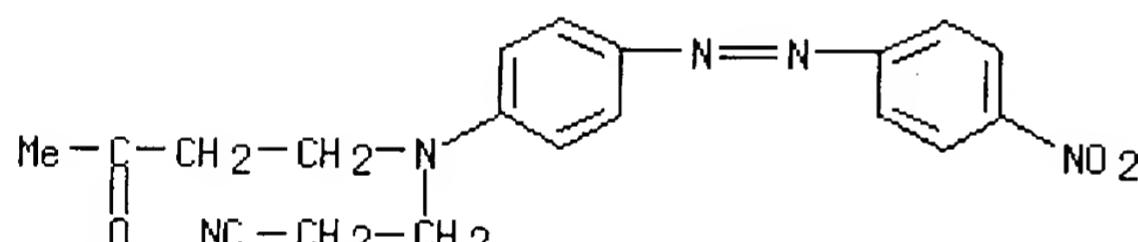
| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|------|----------|-----------------|--------------|
| EP 1188799 | A1 | 20020320 | EP 2001-121526 | 20010908 <-- |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO | | | | |
| JP 2002188020 | A2 | 20020705 | JP 2001-274980 | 20010911 <-- |
| US 2002040510 | A1 | 20020411 | US 2001-951057 | 20010913 <-- |
| US 6682573 | B2 | 20040127 | | |
| CN 1344763 | A | 20020417 | CN 2001-133025 | 20010914 <-- |

PRIORITY APPLN. INFO.:OTHER SOURCE(S) :
GIGB 2000-22697 A 20000915
CASREACT 136:249012; MARPAT 136:249012

AB The invention refers to a dye mixt. comprising an azo dye (I; X, X1 = Cl, Br; R1 = H, C1-4-alkyl; R2, R3 = H, C1-6 alkyl, cyanoethyl; but when R1 is absent, R2 is Bu or cyanoethyl and R3 is cyanoethyl) and further azo dye components, a method for the prepn. of such mixts., and a method for disperse dyeing of synthetic textile materials using such mixts. I is characterized by excellent heat fastness and does not cause irritation. In an example, the yellow-brown dye 2,6-dichloro-4-nitroaniline→N-butyl-N-(2-cyanoethyl)aniline was prep'd. and used in combination with other azo dyes for disperse dyeing of polyester.

IT 404868-53-7

RL: TEM (Technical or engineered material use); USES (Uses)
(yellow brown/orange dye; azo dyes and their mixts. for application to polyester)

RN 404868-53-7 HCPLUSCN Propanenitrile, 3-[[4-[(4-nitrophenyl)azo]phenyl](3-oxobutyl)amino]- (9CI)
(CA INDEX NAME)

REFERENCE COUNT:

10

THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

>